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Mallinckrodt Inc.

<120> Carbocyanine Dyes For Tandem, Photodiagnostic
and Therapeutic Applications

<130> MRD-74

<140>
<141> 2001-10-17

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<160> 8

<170> PatentIn Version 3.1

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<211> 8
<212> PRT
<213> Artificial Sequence

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<222> (1)...(8)
<223> Xaa at location 1 represents D-Phe. Artificial sequence is
completely synthesized.
<223> Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids. Artificial sequence is completely synthesized.
<223> Xaa at location 4 represents D-Trp. Artificial sequence is
completely synthesized.

<400> 1
Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
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 <223> Xaa at locations 2 and 7 represents Cys with an intramolecular disulfide bond between two Cys amino acids. Artificial sequence is completely synthesized.

 <223> Xaa at location 4 represents D-Trp. Artificial sequence is completely synthesized.
 <223> Xaa at location 8 represents Thr-OH. Artificial sequence is completely synthesized.

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 Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
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<210> 4
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10/2/07 09:21:50

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<400> 5
Asp Tyr Met Gly Trp Met Asp Phe
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<210> 6
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<223> Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.

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Asp Tyr Xaa Gly Trp Xaa Asp Phe
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<210> 7
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<223> Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.

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Xaa Tyr Xaa Gly Trp Xaa Asp Phe
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<223> Xaa at location 1 represents D-Lys. Artificial sequence is completely synthesized.

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Xaa Pro Arg Arg Pro Tyr Ile Leu
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